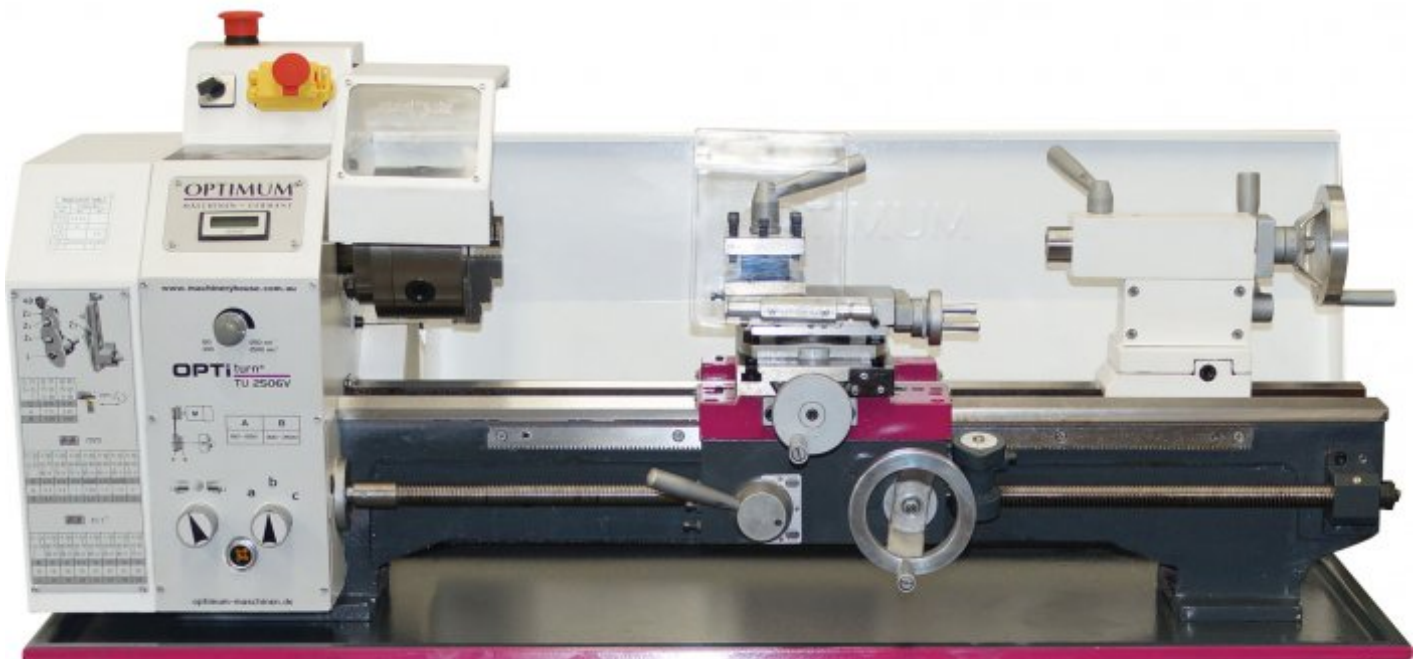


OPTIMUM TU-2506V

OPTIMUM®

Opti-Turn Bench Lathe

Ø250 x 550mm Turning Capacity - Ø26mm Spindle Bore



OPTIMUM Opti-Turn Bench Lathe TU-2506V



Stand Sold Separately

Shown With Optional Stand



Front View with Optional Stand



Left View with Optional Stand



Safety Chuck Guard



Electronic Variable Speed Dial



Digital Speed Readout



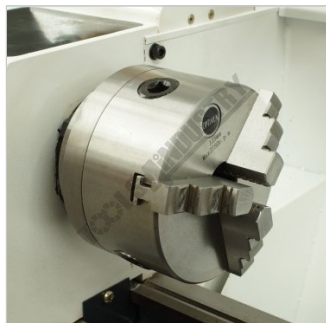
Headstock Controls



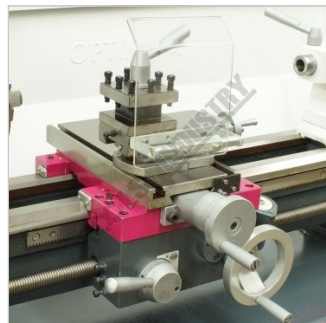
Feed and Thread Gearbox



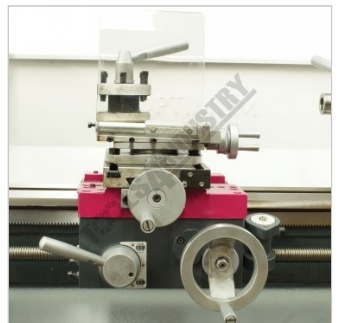
Controls Switches



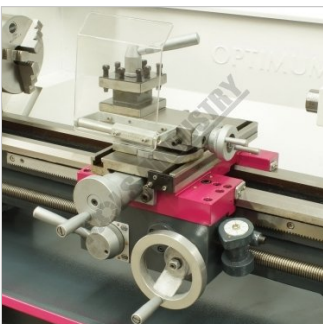
3 Jaw Chuck



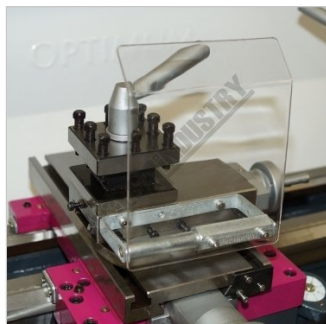
Saddle Left View



Saddle Front View



Saddle Right View



Toopost and Safety Guard



Cross Feed Hand Wheel

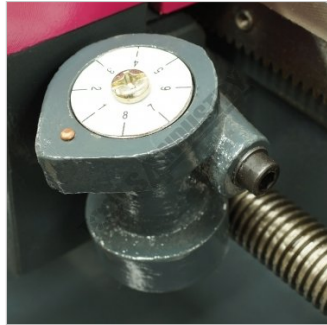


Saddle Hand Wheel

OPTIMUM Opti-Turn Bench Lathe TU-2506V



Compound Slide Hand Wheel



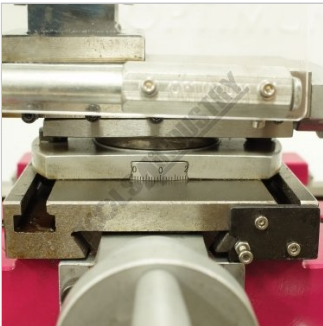
Thread Chasing Dial

INDICATOR TABLE		
PITCH mm	P=3mm Mn=1	
	28T	30T
0.5, 0.7	2, 4, 6, 8	
1, 1.75		
0.8	8	
1.25		4, 8
2.5, 3		
1.5	2, 4, 6, 8	2, 4, 6, 8
2		8

Thread Chasing Indicator Table



Feed Engagement Lever



Compound Slide



Tailstock



Tailstock Quil



Tailstock Adjustment



Tailstock Quill Hand Wheel



Induction Hardened and Ground Bed



Stand Drawers



Stand Cupboard



Includes Dead Centres, Chuck Keys & Tools

OPTIMUM Opti-Turn Bench Lathe TU-2506V

Description

This compact lathe of very modern design has many convenient facilities ideal for the enthusiastic model engineer for small component manufacturer. A very rigid induction hardened cast iron bed with ground slideways gives a high level of precision turning. The lathe capacity is 550mm between the centres and 250mm swing over the bed. This model has a 1200W DC high power motor providing smooth running. A standard feature is the full electronic speed control dial with digital read-out display for the spindle speed.

Other very useful features included are longitudinal power feed, quick lock tailstock and both metric and imperial thread cutting, ranging from 8-56 tpi or 0.2-4mm. Also included are a 4-way indexing tool post with 10mm tool shank capacity, fine adjustment on the tailstock for taper turning and the rear splash guard. A 125mm 3-jaw chuck with reverse jaws is also supplied, the headstock spindle being through bored to 26mm diameter. There are many additional options available including a milling head (BF-16AV) or (BF-20AV) to turn this machine into a very capable all round machining centre.

Features

- Electronic infinitely variable speed 150-2500rpm
- Easy to read digital readout speed display
- Ribbed prism bed made of grey cast iron
- Inductively hardened and ground bed guideways
- Spindle nose accuracy 0.009mm
- 3 Jaw chuck running accuracy 0.04mm
- Forward & reverse spindle direction switch
- Automatic longitudinal feed
- Metric & Imperial thread cutting
- Enclosed feed and threading gearbox
- Cross slide & bed length are designed to fit Optimum DRO scales

Includes

- Change gears for metric & Imperial thread cutting
- Chuck guard
- Toolpost guard
- Dead Centre
- 3-jaw chuck with reversible jaws
- Swarf tray
- Rear splash guard

Specifications

ORDER CODE	L689
MODEL	TU-2506V
Swing Over Bed (mm)	250
Distance Between Centres (mm)	550
Spindle Bore (mm)	26
Swing In Gap (mm)	~
Swing Over Cross-slide (mm)	150
Digital Readout System Fitted	Optional
Quick Change Toolpost Fitted	Optional
Leadscrew Covers Fitted	~
Taper Turning Attachment	~

OPTIMUM Opti-Turn Bench Lathe TU-2506V

Coolant System	~
Tool Height To Suit (mm)	10
Centre Height (mm)	125
Spindle Nose Size or Type	Fixed
Bed Width (mm)	135
Headstock Spindle Taper (MT)	4
Tailstock Taper (MT)	2
Cross Slide Travel (mm)	110
Compound Slide Travel (mm)	70
Leadscrew Type	Metric
Metric Cross Feed (X-Axis) (mm/rev)	~
Imperial Cross Feed (X-Axis) (inch/rev)	~
Metric Longitudinal Feed (Z-Axis) (mm/rev)	0.07 - 0.4
Imperial Longitudinal Feed (Z-Axis) (inch/rev)	~
Metric Thread Steps & Pitch (No. / mm)	21 (0.2 - 4)
Imperial Thread Steps & TPI (No. / TPI)	21 (8 - 56")
3 Jaw Chuck Diameter (mm)	125
4 Jaw Chuck Diameter (mm)	Optional
Spindle Steps / Speeds (No. / rpm)	Variable (150 - 2500)
Motor Power (kW / hp)	1.2 / 1.6
Voltage / Amperage (V / amp)	240 / 10
Nett Weight (kg)	156